

Send Report To: attn: Brian Dietz
 Maryland Dept. of the Environment
Land Restoration Program
 1800 Washington Blvd., Ste. 625
 Baltimore, MD 21230

bdietz@maryland.gov
 410-537-3440

State of Maryland
 DHMH - Laboratories Administration
 Division of Environmental Sciences
TRACE METALS LABORATORY
 1770 Ashland Avenue
 Baltimore, Maryland 21205

E18002662001
 Received: 01/26/2018
 Metals 12518FMHM01

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: 012518-FMH-M01 Site Name: Friends Meeting House County: Anne Arundel

Sample Source: 351 Dubois Rd. Annapolis, MD Collector: Brian Dietz
Street Town or City Name

Date Collected: 1/25/2018 Time Collected: 1115 a.m. / p.m. Phone #: 410-537-3440

Sample Preserved By: Field ESRL WMRL Central Lab
 Preservative Used: HNO₃ 2.0 mL pH: 5.2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
 Data Category: Community Stream Distribution (Treated) Solid
 Code Non-Community Sediment Other _____
 Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: _____

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
✓	Antimony (Sb)	P/S	✓	Aluminum (Al)	S/S		Uranium (U)	
✓	Arsenic (As)	P/S		Calcium (Ca)			Vanadium (V)	
✓	Barium (Ba)	P/S	✓	Cobalt (Co)	P/S	✓	Zinc (Zn)	P/S
✓	Beryllium (Be)	P/S	✓	Copper (Cu)	P/S			
✓	Cadmium (Cd)	P/S	✓	Iron (Fe)	S/S			
✓	Chromium (Cr)	P/S		Lead (Pb)				
✓	Mercury (Hg)	A/S		Magnesium (Mg)				
✓	Nickel (Ni)	P/S	✓	Manganese (Mn)	S/S			
✓	Selenium (Se)	P/S		Molybdenum (Mo)				
✓	Sodium (Na)	S/S		Potassium (K)				
✓	Thallium (Tl)	P/S		Silver (Ag)				

Lab Supervisor: _____

Date Reported: ___/___/___



State of Maryland
 Department of Health
 Laboratories Administration
 Division of Environmental Sciences
TRACE METALS LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

MDE WATER QUAL MONITORING PROG
 416 CHINQUAPIN ROUND ROAD
 ANNAPOLIS, MD 21401

Lab Project No: E18002662 Date Coll.: 01/25/2018 Date Received: 01/26/2018 Submitted By: B. Dietz

Field ID: 12518FMHM01
 Lab No.: E18002662001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Aluminum	<0.100	ppm	01/31/2018
EPA 200.7	Sodium	1.67	ppm	01/31/2018
EPA 200.7	Iron	5.07	ppm	01/31/2018
EPA 200.7	Manganese	0.08	ppm	01/31/2018
<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.8	Antimony	<0.0025	ppm	02/01/2018
EPA 200.8	Arsenic	<0.002	ppm	02/01/2018
EPA 200.8	Barium	<0.100	ppm	02/01/2018
EPA 200.8	Beryllium	<0.001	ppm	02/01/2018
EPA 200.8	Cadmium	<0.0025	ppm	02/01/2018
EPA 200.8	Chromium	<0.010	ppm	02/01/2018
EPA 200.8	Cobalt	<0.100	ppm	02/01/2018
EPA 200.8	Copper	<0.050	ppm	02/01/2018
EPA 200.8	Nickel	<0.050	ppm	02/01/2018
EPA 200.8	Selenium	<0.025	ppm	02/01/2018
EPA 200.8	Thallium	<0.001	ppm	02/01/2018
EPA 200.8	Zinc	<0.050	ppm	02/01/2018
<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 245.1	Mercury	<0.00050	ppm	01/31/2018

Comments:

Approved by: <u>Yungso Choi</u>	Approval date: <u>02/05/2018</u>
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**The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.

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TRACE METALS LABORATORY
 1770 Ashland Avenue
 Baltimore, Maryland 21205

Lab No. Date Received

E18002662002
 Received: 01/26/2018
 Metals 12518FMHM02

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: 012518-FMH-M02 Site Name: Friends Meeting House County: Anne Arundel

Sample Source: 351 Dubois Rd. Annapolis, MD Collector: Joel Knauff
Street Town or City Name

Date Collected: 1/25/2018 Time Collected: 1:30 (a.m.) / p.m. Phone #: 410-537-3440

Sample Preserved By: Field ESRL WMRL Central Lab
 Preservative Used: HNO₃ 2.0 mL pH: 5.2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
 Data Category: Community Stream Distribution (Treated) Solid
 Code Non-Community Sediment Other _____
 Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: _____

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
X	Antimony (Sb)	PSM	X	Aluminum (Al)	SHS		Uranium (U)	
X	Arsenic (As)	PSM		Calcium (Ca)			Vanadium (V)	
X	Barium (Ba)	PSM	X	Cobalt (Co)	PSM	X	Zinc (Zn)	PSM
X	Beryllium (Be)	PSM	X	Copper (Cu)	PSM			
X	Cadmium (Cd)	PSM	X	Iron (Fe)	SHS			
X	Chromium (Cr)	PSM		Lead (Pb)				
X	Mercury (Hg)	SH		Magnesium (Mg)				
X	Nickel (Ni)	PSM	X	Manganese (Mn)	SHS			
X	Selenium (Se)	PSM		Molybdenum (Mo)				
X	Sodium (Na)	SHS		Potassium (K)				
X	Thallium (Tl)	PSM		Silver (Ag)				

Lab Supervisor: _____

Date Reported: ____/____/____



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MDE WATER QUAL MONITORING PROG
416 CHINQUAPIN ROUND ROAD
ANNAPOLIS, MD 21401

Lab Project No: E18002662 Date Coll.: 01/25/2018 Date Received: 01/26/2018 Submitted By: Joil Krauff

Field ID: 12518FMHM02
Lab No.: E18002662002

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Aluminum	<0.100	ppm	01/29/2018
EPA 200.7	Sodium	34.31	ppm	01/29/2018
EPA 200.7	Iron	0.16	ppm	01/29/2018
EPA 200.7	Manganese	<0.050	ppm	01/29/2018
<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.8	Mercury	<0.0005	ppm	01/30/2018
EPA 200.8	Zinc	<0.050	ppm	01/30/2018
EPA 200.8	Thallium	<0.001	ppm	01/30/2018
EPA 200.8	Nickel	<0.050	ppm	01/30/2018
EPA 200.8	Selenium	<0.025	ppm	01/30/2018
EPA 200.8	Antimony	<0.0025	ppm	01/30/2018
EPA 200.8	Barium	<0.100	ppm	01/30/2018
EPA 200.8	Beryllium	<0.001	ppm	01/30/2018
EPA 200.8	Cadmium	<0.0025	ppm	01/30/2018
EPA 200.8	Chromium	<0.010	ppm	01/30/2018
EPA 200.8	Cobalt	<0.100	ppm	01/30/2018
EPA 200.8	Copper	<0.050	ppm	01/30/2018
EPA 200.8	Arsenic	<0.002	ppm	01/26/2018

Comments:

Approved by: Yingtao Chen

Approval date: 02/05/2018

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Telephone: (443) 681 - 3853

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